

MONROE COUNTY

RESIDENTIAL STORMWATER RETENTION CALCULATION SHEET

	Determine Tota					_		
	a. Determine Im		Soverage I			iew improvem	ent:	
_	Roof/slabs	Α	ft	Sidewalks	D		ft 2	
_	Decks / Patios	В	ft	Pool/Deck	E		ft 2	
1	Driveways	С	ft	Other	F		ft	
	Impervious Coverage EXISTING prior to improvement(A + B + C + D + E + F)							
	b. Determine NE	W Impervi	ous Cove		OSED w	ith improveme	ent:	
F	Roof/slabs	Α	ft	Sidewalks	D		ft	
[Decks / Patios	В	ft	Pool/Deck	E		ft	
[Driveways	С	ft	Other	F		ft ²	
	Impervious Co	overage PF	ROPOSED	with impro	vement	(A + B + C + D +	≣ + F)	1b
	Total Impa	ruious Cox	vorage: E\	VICTING + F	POPOS	ED (10+1b)		1
	rotai impe	rvious Cov	/erage: E/	AISTING T F	RUPUS	SED (1a+1b)		•
2. [Determine Perc	entage of	Impervio	us Covera	age on s	site:		
		1 ft ² /		ft ²		2	% of In	npervious Coverage
To	otal Impervious Cov		Total Lot				70 01 111	ipervious ooverage
			U F/4.4.4	0/5/0/43				
3. <u> </u>	<u>Determine "Dis</u>		ea" [(114			2		
Ļ		ft² -	Maria da di a	ft²		3	Distu	rbed Area
	otal Lot Area or the purposes of this sec			n - If no BMP		hat the areas covered	hy the follo	wing hest management
								(both natural and manmade)
	nich will be retained intact							
		•		, ,	•		he applicar	nt to affirmatively demonstrate
tha	at the best management p	ractices used for	r the project are	designed, constru	icted, and ma	aintained properly.		
4. D	etermine Requ	ired Swal	e Volume	- Comple	te a. b.	or c:		
	a. For a NEW ho							
		3 ft)		=		4a ft	Sı	vale Volume
	Disturbed Area							
	b. For a NEW ho	me with 40 %	or greater	Impervious	Coverag	e, use:		
		3 ft X 0	.208 X		2 % =	4b	ft s	Swale Volume
	Disturbed Area % of Impervious Coverage							
	 When only new impervious area requires storm water retention (Existing Single Family & Duplexes Only When the total lot impervious coverage remains below 40% after the additional development: 							
	i. Wileli tile	1h 2			is below 2	4 - 4 3		
	Impervious Co	!L	X 0.083 =		Volume	4C1 ft	Add	led Swale Volume
	•	•				rvious area to 40)% or ab	ove:
		1h 2	X 0.208 =		•	4c2 ft ³		led Swale Volume
	Impervious Co				Volume		7144	ou onaio voiumo
: г	Determine Swa	le I enath	(Swale si	da slanas	must h	a no staanr t	han <i>4</i> ·1	1)
^· <u>-</u>		- Longin	(Swale 3)		uət D	-		',
(ft X		ft) / 2	=		t Cro	ss Sectional Area**
_\	Width	3 Depth		2			ı 0	rala I awaith
Ĺ		t /		ft =		1	. 5W	ale Length
	wale Volume		Sectional Are		os 8 fost u	vide and 1 feet deep	. boo 4 SE	of Cross Sectional Area)